

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 6, pages 4-5 with the following:

[0006] Goetz et al., in U.S. Patent No. 4,345,840, disclose a hand held, self-contained dual beam ratioing radiometer for identifying selected materials that reflect radiation within a predetermined band, preferably in the IR or visible range. The apparatus includes two pivoting optical trains directed toward the same target. Each train has a separate filter for selection of the narrow spectral bands to be ratioed, by means of a dividing circuit, to identify a particular substance based on its known spectral characteristics.

Please replace paragraph 10, page 6 with the following:

[0010] Novison, in U.S. Patent No. 5,527,062, discloses a portable IR spectrophotometer for testing samples of organic construction materials. A single source of IR light is divided into two beams. The first beam is directed to the surface of the target sample, from which the light is reflected at least four times. The second reference beam is directed toward a neutral surface. The two beams are then combined and focused onto a detector element. The detector output is proportional to the energy absorbed by the test sample. A pen recorder attached to the apparatus generates a graphic "fingerprint" of the sample's reflectance spectrum.